

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069276.D
 Acq On : 01 Jun 2021 11:22
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 6:46:18 PM

Quant Time: Jun 02 01:47:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 01:46:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	394096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	673369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	631132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	302943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21103	5.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.16%#		
35) Dibromofluoromethane	7.920	113	22814	5.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.80%#		
50) Toluene-d8	10.338	98	76618	4.98	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.96%#		
62) 4-Bromofluorobenzene	12.632	95	24606	4.88	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.76%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	24347	5.87	ug/l	96
3) Chloromethane	2.209	50	18289	5.84	ug/l	95
4) Vinyl Chloride	2.350	62	19364	6.07	ug/l	98
5) Bromomethane	2.768	94	14710	6.32	ug/l	89
6) Chloroethane	2.921	64	10727	5.89	ug/l	93
7) Trichlorofluoromethane	3.279	101	42115	5.68	ug/l	96
8) Diethyl Ether	3.715	74	8872	4.87	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	25647	5.87	ug/l	97
10) Methyl Iodide	4.303	142	15526	3.92	ug/l	95
11) Tert butyl alcohol	5.185	59	12762m	42.68	ug/l	
12) 1,1-Dichloroethene	4.068	96	20921	5.29	ug/l	98
13) Acrolein	3.926	56	4085	18.39	ug/l #	68
14) Allyl chloride	4.709	41	23063	4.84	ug/l	94
15) Acrylonitrile	5.432	53	17994	25.32	ug/l	97
16) Acetone	4.156	43	20036	30.36	ug/l #	86
17) Carbon Disulfide	4.409	76	72031	5.51	ug/l	98
18) Methyl Acetate	4.715	43	11319	6.34	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	33602	4.63	ug/l #	83
20) Methylene Chloride	4.962	84	49200	8.02	ug/l	96
21) trans-1,2-Dichloroethene	5.468	96	25461	5.44	ug/l	95
22) Diisopropyl ether	6.367	45	40905	4.47	ug/l #	85
23) Vinyl Acetate	6.315	43	102959m	20.06	ug/l	
24) 1,1-Dichloroethane	6.268	63	41045	5.35	ug/l	97
25) 2-Butanone	7.215	43	21775	25.08	ug/l	98
26) 2,2-Dichloropropane	7.215	77	41229	5.84	ug/l	95
27) cis-1,2-Dichloroethene	7.215	96	24905	5.02	ug/l	99
28) Bromochloromethane	7.544	49	15735	5.92	ug/l	99
29) Tetrahydrofuran	7.567	42	11402	22.85	ug/l #	81
30) Chloroform	7.709	83	46676	5.57	ug/l	96
31) Cyclohexane	7.991	56	36100	6.01	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	42606	5.63	ug/l	96
36) 1,1-Dichloropropene	8.120	75	33050	5.05	ug/l	99
37) Ethyl Acetate	7.297	43	11031	4.96	ug/l	97
38) Carbon Tetrachloride	8.103	117	37372	5.29	ug/l	97
39) Methylcyclohexane	9.356	83	31590	4.72	ug/l	94
40) Benzene	8.350	78	97458	5.13	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	5017m	4.87	ug/l	
42) 1,2-Dichloroethane	8.420	62	25702	5.07	ug/l	97
43) Isopropyl Acetate	8.450	43	19161	4.74	ug/l	97
44) Trichloroethene	9.109	130	27622	5.35	ug/l	81
45) 1,2-Dichloropropane	9.391	63	23522	5.20	ug/l	93
46) Dibromomethane	9.473	93	12949	5.01	ug/l	95
47) Bromodichloromethane	9.667	83	34737	5.21	ug/l	97
48) Methyl methacrylate	9.456	41	8064	4.29	ug/l	89
49) 1,4-Dioxane	9.467	88	2300	90.51	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	46442	22.23	ug/l	93
52) Toluene	10.403	92	57977	4.83	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	28128	4.72	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	34641	4.88	ug/l	94
55) 1,1,2-Trichloroethane	10.803	97	18555	5.17	ug/l	98
56) Ethyl methacrylate	10.661	69	14942	4.05	ug/l	97
57) 1,3-Dichloropropane	10.944	76	27841	4.79	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	33367	19.86	ug/l	97
59) 2-Hexanone	10.979	43	29445	21.09	ug/l	95
60) Dibromochloromethane	11.138	129	21776	4.82	ug/l	100
61) 1,2-Dibromoethane	11.244	107	17026	4.97	ug/l	95
64) Tetrachloroethene	10.873	164	24477	5.57	ug/l	94
65) Chlorobenzene	11.667	112	65677	5.09	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.744	131	25101	5.19	ug/l	96
67) Ethyl Benzene	11.744	91	103225	4.66	ug/l	100
68) m/p-Xylenes	11.855	106	78347	9.02	ug/l	100
69) o-Xylene	12.179	106	34220	4.46	ug/l	98
70) Styrene	12.191	104	56029	4.20	ug/l	97
71) Bromoform	12.361	173	12582	5.02	ug/l #	99
73) Isopropylbenzene	12.479	105	91828	4.43	ug/l	99
74) N-amyl acetate	12.285	43	15474	4.23	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	19421	5.02	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	15589m	6.16	ug/l	
77) Bromobenzene	12.755	156	23747	4.76	ug/l	98
78) n-propylbenzene	12.814	91	112660	4.43	ug/l	99
79) 2-Chlorotoluene	12.902	91	66694	4.61	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	74752	4.26	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	5320	4.48	ug/l	89
82) 4-Chlorotoluene	12.997	91	71824	4.72	ug/l	99
83) tert-Butylbenzene	13.220	119	65101	4.43	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	73502	4.21	ug/l	100
85) sec-Butylbenzene	13.397	105	96482	4.45	ug/l	97
86) p-Isopropyltoluene	13.514	119	81503	4.29	ug/l	97
87) 1,3-Dichlorobenzene	13.514	146	51272	5.07	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	53228	5.29	ug/l	95
89) n-Butylbenzene	13.838	91	80287	4.52	ug/l	97
90) Hexachloroethane	14.102	117	18100	5.02	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	44281	5.09	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3566	5.78	ug/l	77
93) 1,2,4-Trichlorobenzene	15.155	180	23740	4.54	ug/l	94
94) Hexachlorobutadiene	15.261	225	16742	5.10	ug/l	98
95) Naphthalene	15.396	128	37508	4.07	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	23018	5.01	ug/l	91

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

